

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method employed within a network comprising:

monitoring a managed bean server with a monitor service of an application server, the managed bean server providing a management service for a plurality of resources, wherein monitoring the managed bean server includes,

the monitor service creating a hierarchical monitor tree in the managed bean server according to semantics retrieved by the monitor service, the hierarchical monitor tree including a plurality of monitor tree nodes each having a monitor managed bean, and

one of the monitor managed beans of the plurality of monitor tree nodes retrieving monitoring data of one of the plurality of resources via a runtime bean of the managed bean server;

displaying a hierarchical tree structure having a first plurality of selectable tree nodes in a graphical user interface, each of the first plurality of selectable tree nodes representing a resource of [[an]] the application server, wherein at least one of the first plurality of selectable tree nodes is a monitor service node; ~~the monitor service node~~ representing [[a]] the monitor service of the application server;

receiving a first indication that the monitor service node is selected; and

in response to receiving the first indication, displaying a representation of the hierarchical monitor tree in the graphical user interface, the displayed representation of the hierarchical monitor tree having a second plurality of selectable hierarchical monitor tree nodes, wherein each of the plurality of hierarchical monitor tree nodes corresponds to a resource associated with a monitor managed bean each providing an interface to a respective one of the monitor managed beans of the plurality of monitor tree nodes.

2. (Currently Amended) The method of claim 1, wherein each of the second plurality of selectable displayed hierarchical monitor tree nodes includes a status indicator to provide a graphical illustration of a current status of a monitored resource.
3. (Currently Amended) The method of claim 1, further comprising:
receiving a second indication that one of the second plurality of hierarchical monitor selectable tree nodes is selected; and
in response to the second indication, configuring the selected hierarchical one of the plurality of monitor tree nodes with the graphical user interface.
4. (Currently Amended) The method of claim 3, wherein configuring the selected hierarchical one of the plurality of monitor tree nodes comprises:
setting a monitoring period ~~for the selected hierarchical monitor tree node.~~
5. (Currently Amended) The method of claim 3, wherein configuring the selected hierarchical one of the plurality of monitor tree nodes comprises:
configuring the selected hierarchical one of the plurality of monitor tree nodes to provide an alarm if a resource corresponding to the selected hierarchical one of the plurality of monitor tree nodes malfunctions.
6. (Currently Amended) The method of claim 3, wherein configuring the selected hierarchical one of the plurality of monitor tree nodes comprises:
configuring the selected hierarchical one of the plurality of monitor tree nodes to poll monitor data from a resource corresponding to the selected hierarchical one of the plurality of monitor tree nodes.

7. (Currently Amended) The method of claim 3, wherein configuring the ~~selected hierarchical~~ one of the plurality of monitor tree nodes comprises:

configuring the ~~selected hierarchical~~ one of the plurality of monitor tree nodes to push monitor data from a resource corresponding to the ~~selected hierarchical~~ one of the plurality of monitor tree nodes ~~to the selected hierarchical monitor tree node.~~

8. (Currently Amended) The method of claim 3, wherein configuring the ~~selected hierarchical~~ one of the plurality of monitor tree nodes comprises:

setting a threshold value for the ~~selected hierarchical~~ one of the plurality of monitor tree nodes, wherein the ~~selected hierarchical~~ one of the plurality of monitor tree nodes is to provide a third indication if the threshold value is detected.

9. (Currently Amended) The method of claim 1, further comprising:

receiving a fourth indication that one of the second plurality of hierarchical ~~monitor~~ selectable tree nodes is selected; and

in response to the fourth indication, displaying a history of monitor data collected by one of the selected hierarchical ~~monitor tree nodes.~~

10. (Currently Amended) The method of claim 9, wherein displaying the history of monitor data collected by one of the selected hierarchical ~~monitor tree nodes~~ comprises:

displaying a table of monitor data, the displayed table including a time column to display a time when an item of monitor data is collected and one or more columns of monitor data.

Claims 11. – 20. (Canceled).

21. (Currently Amended) A system comprising:

a managed bean server to provide a management service for a plurality of resources;

an application server including a monitor service to monitor the managed bean server, including

the monitor service creating a hierarchical monitor tree in the managed bean server according to semantics retrieved by the monitor service, the hierarchical monitor tree including a plurality of monitor tree nodes each having a monitor managed bean, and

one of the monitor managed beans of the plurality of monitor tree nodes retrieving monitoring data of one of the plurality of resources via a runtime bean of the managed bean server;

a means for displaying a graphical user interface (GUI) including a hierarchical tree structure having a first plurality of selectable tree nodes in a graphical user interface, each of the first plurality of selectable tree nodes representing a resource of [[an]] the application server, wherein at least one of the tree nodes is a monitor service node, ~~the monitor service node~~ representing [[a]] the monitor service of the application server;

a means for receiving a first indication that the monitor service node is selected;
and

a means for displaying in the GUI, in response to the received first indication, a representation of the hierarchical monitor tree in the graphical user interface, the displayed representation of the hierarchical monitor tree having a second plurality of selectable hierarchical monitor tree nodes, wherein each of the plurality of hierarchical monitor tree nodes corresponds to a resource associated with a monitor managed bean each providing an interface to a respective one of the monitor managed beans of the plurality of monitor tree nodes.

22. (Currently Amended) The system of claim 21, further comprising:

a means for receiving a second indication that one of the second plurality of hierarchical monitor selectable tree nodes is selected; and

a means responsive to the second indication for configuring one of the selected hierarchical plurality of monitor tree nodes ~~with the graphical user interface~~.

23. (Currently Amended) The system of claim 22, wherein the means for configuring one of the selected hierarchical plurality of monitor tree nodes ~~with the graphical user interface~~ comprises:

a means for setting a monitoring period for the ~~selected hierarchical~~ one of the plurality of monitor tree nodes.

24. (Currently Amended) The system of claim 22, wherein the means for configuring the ~~selected hierarchical~~ one of the plurality of monitor tree nodes ~~with the graphical user interface~~ comprises:

a means for configuring the ~~selected hierarchical~~ one of the plurality of monitor tree nodes to provide an alarm if a resource corresponding to the ~~selected hierarchical~~ one of the plurality of monitor tree nodes malfunctions.

25. (Currently Amended) The system of claim 22, wherein the means for configuring the ~~selected hierarchical~~ one of the plurality of monitor tree nodes ~~with the graphical user interface~~ comprises:

a means for configuring the ~~selected hierarchical~~ one of the plurality of monitor tree nodes to poll monitor data from a resource corresponding to the ~~selected hierarchical~~ one of the plurality of monitor tree nodes.

26. (Currently Amended) The system of claim 22, wherein the means for configuring the ~~selected hierarchical one of the plurality of~~ monitor tree nodes ~~with the graphical user interface~~ comprises:

a means for setting a threshold value for the ~~hierarchical one of the plurality of~~ monitor tree nodes, wherein the ~~selected hierarchical one of the plurality of~~ monitor tree nodes is to provide a third indication if the threshold value is detected.

27. (Currently Amended) An article of manufacture comprising:

a computer accessible medium providing instructions that, when executed by an apparatus, cause the apparatus to

monitor a managed bean server with a monitor service of an application server, the managed bean server providing a management service for a plurality of resources, wherein monitoring the managed bean server includes,

the monitor service creating a hierarchical monitor tree in the managed bean server according to semantics retrieved by the monitor service, the hierarchical monitor tree including a plurality of monitor tree nodes each having a monitor managed bean, and

one of the monitor managed beans of the plurality of monitor tree nodes retrieving monitoring data of one of the plurality of resources via a runtime bean of the managed bean server;

display a hierarchical tree structure having a first plurality of selectable tree nodes in a graphical user interface, each of the first plurality of selectable tree nodes representing a resource of [[an]] the application server, wherein at least one of the first plurality of selectable tree nodes is a monitor service node, ~~the monitor service node~~ representing [[a]] the monitor service of the application server;

receive a first indication that the monitor service node is selected; and

display in response to the received first indication a representation of the hierarchical monitor tree in the graphical user interface, the displayed representation of

~~the hierarchical monitor tree having a second plurality of selectable hierarchical monitor tree nodes; wherein each of the plurality of hierarchical monitor tree nodes corresponds to a resource associated with a monitor managed bean, each providing an interface to a respective one of the monitor managed beans of the plurality of monitor tree nodes.~~

28. (Currently Amended) The article of manufacture of claim 27, wherein the computer accessible medium provides further instructions that, when executed by the apparatus, cause the apparatus to

receive a second indication that one of the second plurality of hierarchical monitor selectable tree nodes is selected; and

in response to the second indication, configure the selected hierarchical one of the plurality of monitor tree nodes with the graphical user interface.

29. (Currently Amended) The article of manufacture of claim 28, wherein the instructions that, when executed by the apparatus, cause the apparatus to configure the ~~selected hierarchical one of the plurality of~~ monitor tree nodes cause the apparatus to

set a monitoring period for the ~~selected hierarchical one of the plurality of~~ monitor tree nodes.

30. (Currently Amended) The article of manufacture of claim 28, wherein the instructions that, when executed by the apparatus, cause the apparatus to configure the ~~selected hierarchical one of the plurality of~~ monitor tree nodes further cause the apparatus to

configure the ~~selected hierarchical one of the plurality of~~ monitor tree nodes to provide an alarm if a resource corresponding to the ~~selected hierarchical one of the plurality of~~ monitor tree nodes malfunctions.

31. (Currently Amended) The article of manufacture of claim 27, wherein the computer accessible medium provides further instructions that, when executed by the apparatus, cause the apparatus to

receive a third indication that one of the second plurality of hierarchical monitor tree nodes is selected; and

in response to the third indication, display a history of monitor data collected by the selected hierarchical one of the plurality of monitor tree nodes.

32. (Currently Amended) The article of manufacture of claim 31, wherein the instructions that, when executed by the apparatus, cause the apparatus to display the history of monitor data collected by the selected hierarchical one of the plurality of monitor tree nodes cause the apparatus to

display a table of monitor data, the displayed table including a time column to display a time when an item of monitor data is collected and one or more columns of monitor data.

33. (Previously Presented) The system of claim 21, wherein the graphical user interface is an interface of a Java management extensions (JMX) – based monitoring system.

34. (Currently Amended) The system of claim 21, further comprising:

a means for receiving a second indication that one of the second plurality of hierarchical monitor tree nodes is selected; and

a means for displaying in a window pane of the graphical user interface information related to the plurality of hierarchical monitor tree nodes, the displaying in response to the received second indication.

35. (Currently Amended) The system of claim 34 wherein displaying information related to the plurality of hierarchical monitor tree nodes includes displaying at least one of

- a name of a ~~selected~~ hierarchical monitor tree node,
- a description of a ~~selected~~ hierarchical monitor tree node,
- a monitor type for a ~~selected~~ hierarchical monitor tree node, and
- monitor data.

36. (Previously Presented) The system of claim 34 wherein the window pane further comprises:

- a selectable configuration command; and
- wherein the system further comprises a means for displaying one or more selectable hierarchical monitor tree node configuration options in response to a selection of the configuration command.

37. (Previously Presented) The system of claim 36, wherein the one or more hierarchical monitor tree node configuration options include at least one of

- a monitoring period field to receive a value specifying a monitoring period,
- a resource malfunction response indicator to specify a response of the selected hierarchical monitor tree node, if a resource malfunctions,
- a data collection indicator to indicate whether monitor data is to be pushed from the resource, and
- a threshold value field to receive a threshold value for specifying a threshold of the resource.

38. (Currently Amended) The system of claim 34, wherein the window pane further comprises:

a monitor data history command; and

wherein the system further comprising a means for displaying, in response to a selection of the monitor data history command, a monitor data history pop-up window to provide a history of monitor data collected by one of the selected hierarchical plurality of monitor tree nodes.

39. (Currently Amended) The system of claim 38 wherein the monitor data history pop-up window is to provide a table of monitor data collected by the ~~selected hierarchical~~ one of the plurality of monitor tree nodes.

40. (Currently Amended) The system of claim 39, wherein the table of monitor data collected by the ~~selected hierarchical~~ one of the plurality of monitor tree nodes includes a time column to display a time when an item of monitor data is collected and one or more columns of monitor data.